

Mynx series



Heavy Duty Vertical Machining Center

Mynx series

Mynx 5400

Mynx 6500

Mynx 7500

ver. EN 160122 SU

Basic information

Basic Structure Cutting Performance

Detailed Information

Standard/Optional Specifications Applications Capacity Diagram Machine / NC Unit Specifications

Customer Support Service



Mynx series

The Mynx Series provides various spindle motor options, selectable to suit customer requirements. The high speed cam type automatic tool changer achieves high productivity. In addition, the large workpiece capacity and convenient operator software package make the Mynx the ideal solution for a wide variety of applications.



High Rigidity

Arch type column structure designed with FEM to minimize deformation during heavy duty machining guarantees excellent durability and stable accuracy under heavy load.

High Productivity

Users can select spindles of various driving systems and specifications according to the workpiece material to achieve higher productivity.

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Enhanced Convenience

We offer a wide range of peripheral device solutions that can be optimized to suit customer's specific needs. Also easy operation packages(E.O.P) have been customized to provide fast and easy setup of tooling, workpiece, and program.

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Basic Structure

High-rigidity machine structure provides high durability and stable accuracy during heavy duty cutting.

High-rigidity Machine Structure

Design with arch type column structure to minimize deformation during heavy duty cutting, the Mynx series provides excellent cutting performance and stable accuracy. In addition, the bed, column and other core parts are designed with Finite Element Method (FEM) taking dynamic and static rigidity into consideration to implement excellent vibration resistance and long-term durability.



High-rigidity Design

A solid machine structure is realized through 3D computer simulation.

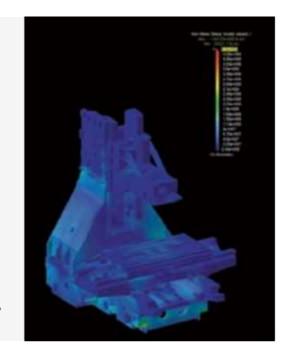
Dynamic rigidity

Frequency response and vibration absorbability are improved with stable structure. Natural frequency performance is increased by 30% compared to the previous models.

Static rigidity

The highly rigid body of the Mynx Series designed with FEM increased the static rigidity by 30% compared to the previous model.

** Finite Element Method (FEM) analysis is used to design an exceptionally stable body.



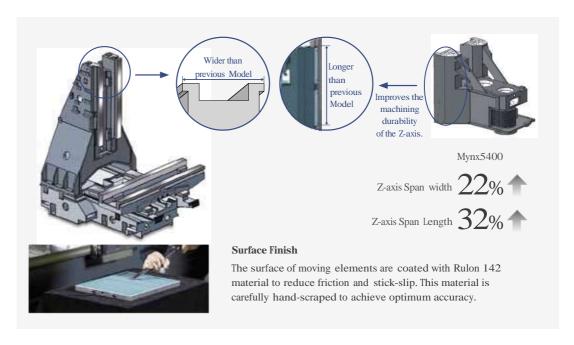


Axis Feed System

Wider box-type guideways realize high rigidity and stability, in addition to higher rapid federate.

Wider Box Guideways

The extended box-type guideways improve the machine durability as well as rigidity and stability.



Higher Feedrate

Wider box guideways provide higher feederate. The linear axes have higher feederate by $20 \sim 25\%$ than the previous model.

X Axis	Y Axis	ZAxis
30 m/min	30 m/min	24 m/min
$(1181.1\mathrm{ipm})$	$(1181.1\mathrm{ipm})$	(944.9 ipm)
* Mynx 5400/6500/7500 Common		

Table size(X Axis x Y Axis)

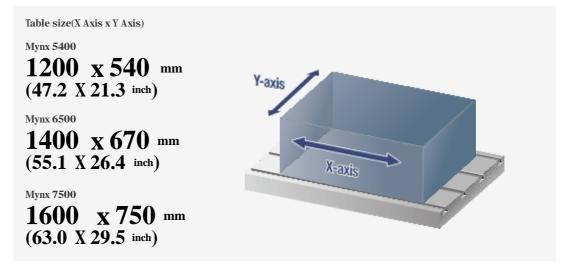


Table

Extended travel distance allows setting up and cutting of larger workpiece of various shapes.

Working Area

The table having the largest size of the class supports mode diversified machining operation.





Tool Changer

Higher productivity can

CAM-type tool changer that supports faster tool

be achieved with the

changing.

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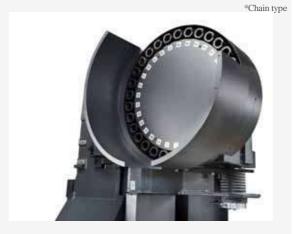
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Tool Magazines by Model

	Item		Mynx 5400	Mynx 6500	Mynx 7500
	#40	Standard	30	30	30
Тотоп	#40	Optional	40	40	40
Taper	#50	Standard	24	24	24
		Optional	-	30*	40*

Drum-type CAM magazine



*Chain type CAM magazine (Taper #50 $\,$

Max. Tool Size

		Taper	Mynx 5400/6500/7500
	#40	Length mm (inch)	300 (11.8)
Weight	#40	Weight kg (lb)	8 (17.6)
	#50	Length mm (inch)	350 (13.8)
Length	#30	Weight kg (lb)	15 (33.1)

Tool Change Time (T-T-T)

Taper #40 1.3 s

Taper #50 2.5 s



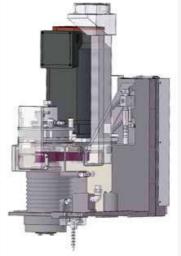
Users can select spindles of various driving systems and specifications according to the workpiece material to achieve higher productivity.

Drive Systems

The Mynx series spindles support belt-driven and gear-driven systems.

Belt-driven Type

The spindle is supported on 4-rows, p4 class high precision bearings to maintain stable accuracy in long-term, high speed cutting. The spindle is driven by a high torque spindle motor for heavy duty cutting.



Gear-driven Type

The gear box spindle head applicable to BT50 model is designed in 2-step variable speed and supported with 5 high-precision angular bearings for high accuracy, heavy duty cutting (optional).



Dual Contact Spindle



The system enables simultaneous dual-contact of tapered side using elastic deformation of the spindle and perfect gauge control.

A Wide Choice of Spindles

The Mynx series' wide choice of spindle motors enables customers to optimize performance for various machining operations.

Taper [DIN]	Power Transmission	Model	Max. Spindle speed (r/min)	Spindle motor Power kW (Hp)	Max. Torque N·m (ft-lbs)	Remark
		M 5400 / 6500	8000	15/11 (20.1/14.8) [30min/Con.]	191.1 (141.0) [30min]	
#40	Belt -driven	Mynx 5400/6500	12000	15.6/15.6 (20.9/20.9) [30min/Con.]	165.7 (122.3) [30min]	
		Mynx 7500	12000	26/22 (34.9/29.5) [30min/Con.]	165.7 (122.3) [30min]	
		Mynx 5400/6500 Belt	6000	15/15/11 (20.1/20.1/14.8) (30min/15min/Con.]	286.4 (211.4) [15min]	
				18.5/15 (24.8/20.1) [30min/Con.]	306.9 (226.5) [30min]	
	Belt		8000	15/15/11 (20.1/20.1/14.8) [30min/15min/Con.]	286.4 (211.4) [15min]	
#50	-driven		5000	18.5/15 (24.8/20.1) [30min/Con.]	306.7 (226.3) [30min]	
		Mynx 7500	6000	22/18.5 (29.5/24.8) [30min/Con.]	365.5 (269.7)	
			8000	15/15/11 (20.1/20.1 /14.8)[30min/15min/Con.]	286.2 (211.2) [15min]	
	Gear -driven	Mynx 5400/6500/7500	6000	22/18.5 (29.5/24.8) [30min/Con.]	452.52 (334.0) [30min]	



Cutting Performance

The heavy-duty machining

performance of the Mynx

series spindles improves

the productivity.

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Machining Capacity

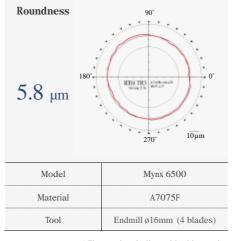
The Mynx series provides high machining performance in various cutting processes.

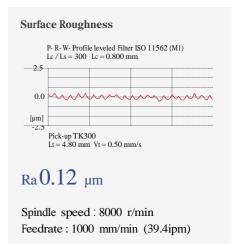
Face mill BT40 Carbon	steel (SM45C)		
Machining rate	Spindle speed	Feedrate	
422 cm ³ /min (25.8 inch ³ /min)	750 r/min	1100mm/min (43.3 ipm)	6.0 mm
Drill BT40 Carbon stee	1 (SM45C)		
Spindle spee	d	Feedrate	
200 r/min		42 mm/min (1.7 ipm)	ø50mm Drill
Tap BT40 Carbon steel	(SM45C)		
Tool	Spindle speed	Feedrate	
M36 x P4.0	250 r/min	1000 mm/min (39.4 ipm)	
Face mill BT50 Carbon	steel (SM45C)		
Machining rate	Spindle speed	Feedrate	
504 cm ³ /min (30.8 inch ³ /min)	575 r/min	720mm/min (28.3 ipm)	7.0 mm ø125mm Face mill (8Z)
Face mill BT50 Gear-d	riven Carbon steel (
Machining rate Spindle speed Feedrate		Feedrate	
624 cm ³ /min (38.1 inch ³ /min)	464 r/min	1040 mm/min (40.9 ipm)	6.0 mm ø125mm Face mill (8Z)

^{*}The results, indicated in this catalogue are provides as example. They may not be obtained due to differences in cutting conditions and environmental conditions during measurement.

High Machining Accuracy

The Mynx series is equipped with the features that reduce thermal error for enhanced machining accuracy.





^{*}The results, indicated in this catalogue are provides as example. They may not be obtained due to differences in cutting conditions and environmental conditions during measurement.

➡tandard ➡ptional X N/A

Diverse optional features are available to meet specific customer requirements.

						,		nonai Aiva
No.	Description	Features	Mynx 5400	Mynx 5400/50	Mynx 6500	Mynx 6500/50	Mynx 7500	Mynx 7500/50
1	Air blower		0	0	0	0	0	0
3	Air gun	24 Tools	0	0	0	0	0	0
			X	•	X	•	X	•
4	Automatic tool changer	30 Tools	•	X	•	0	•	X
5		40 Tools	0	X	0	X	0	0
6	Automatic workpiece	None	•	•	•	•	•	•
7	measurement	OMP60_RENISHAW	0	0	0	0	0	0
8	Automatic Tool Length Measurement	TS27R: RENISHAW	0	0	0	0	0	0
9	Automatic tool measurement master tool	Calibration block	0	0	0	0	0	0
10	Chip conveyor	Hinge / Scraper / Drum filter type	0	0	0	0	0	0
11	Coolant chiller		0	0	0	0	0	0
12	Coolant gun		0	0	0	0	0	0
13	Coolant tank		•	•	•	•	•	•
14		Tool load monitor	•	•	•	•	•	•
15	Easy Operation Package	Alram / M-code / G-code / ATC recovery help	•	•	•	•	•	•
16	Zaay operation racinge	Table moving for setup / Easy work coordinate setting	•	•	•	•	•	•
17	Electric cabinet air conditioner	Lasy work coordinate setting						
			0	0	0	0	0	0
18	Electric cabinet light		0	0	0	0	0	0
19	Electric cabinet line filter		0	0	0	0	0	0
20	Gravity axis drop prevention		0	0	0	0	0	0
21	Linear scale	X, Y, Z Axes	0	0	0	0	0	0
22		1 MPG_PORTABLE TYPE	•	•	•	•	•	•
23	MPG	1 MPG_PORTABLE_W/ENABLE TYPE	0	0	0	0	0	0
24	MQL		0	0	0	0	0	0
25		DOOSAN FANUC i	•	•	•	•	•	•
26		FANUC 32i	0	0	0	0	0	0
27	NC system	HEIDENHAIN iTNC 530	0	0	0	0	0	0
28		SIEMENS SINUMERIK 828D	0	0	0	0	0	0
29	NC system 1cd size	10.4 inch (Color)	•	•	•	•	•	•
30	The system rea size	6000 r/min, Belt type						
31			X	0	X	0	X	0
	Oil cooler	6000 r/min, Gear type	X	•	X	•	X	•
32		8000 r/min, Belt type	0	•	0	•	0	•
33		12000 r/min, Belt type	•	X	•	X	•	X
34	Oil Skimmer	Belt type	0	0	0	0	0	0
35	Power transformer		0	0	0	0	0	0
36	Screw chip conveyor		•	•	•	•	•	•
37	Show coolant		0	0	0	0	0	0
38		15 / 11 kW (20.1 / 14.8 Hp)	•	X	•	Χ	Χ	Χ
39		15.6 / 15.6 kW (20.9 / 20.9 Hp)	0	Χ	0	Χ	Χ	Χ
40		22 / 15 kW (29.5 / 20.1 Hp)	Х	Х	Х	Х	Х	Х
41	C	26 / 22 kW (34.9 / 29.5 Hp)	X	X	X	X	•	X
42	Spindle motor power	15 / 15 / 11 kW (20.1 / 20.1 / 14.8 Hp)	Х	•	Х	•	X	0
43		18.5 / 15 kW (24.8 / 20.1 Hp)	X	0	X	0	X	•
44		22 / 18.5 kW (29.5 / 24.8 Hp)	X	O(Gear)	X	O(Gear)	X	○(Gear)
			٨	•(Belt)	٨	•(Belt)	٨	•(Belt)
45	Spindle speed	6000 r/min	X	○(Gear)	X	○(Gear)	X	○(Gear)
46		8000 r/min	•	0	•	0	Х	0
47	m 1	12000 r/min	0	X	0	X	•	X
48	Test bar		0	0	0	0	0	0
49		NONE	•	•	•	•	•	•
50	Through spindle coolant	1.5KW	0	0	0	0	0	0
51	mough sphide coolant	4.0KW	0	0	0	0	0	0
52		5.5KW_DUAL BAG	0	0	0	0	0	0
53	Work & tool counter	Work / Tool	0	0	0	0	0	0
	l	1						



Optional Equipments

A wide range of solutions

are available that can be

specific need.

optimized to suit customers

Equipments to Minimize Thermal Error

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Customer Support Service Adopting internal air circulation system, the Mynx series can reduce Y axis thermal error by more than 40% compared to previous models. High accuracy can be maintained over a long-term operation.



Oil Cooler option

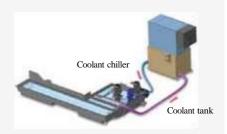
An oil cooler correlated to room temperature can be equipped for a long-term operation at high speed. Cooling oil circulates around the spindle bearings to prevent thermal error of the spindle and maintain machining accuracy.



For more machine's details, please check the page 9.

Coolant Chiller (strongly recommended) option

A re-circulating chiller unit controls the temperature of the coolant fluid used during the machining process and thereby reduces the thermal effects on machine precision.



Linear Scale option

Using the linear scale feedback system, accuracy of the machine can be further improved since the X, Y and Z axes can be controlled to correct positions.

Resolution: 0.001 mm



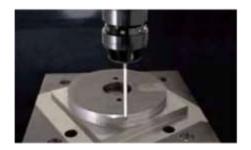
Automatic Tool Length Measuring Equipment Option



Minimum Quantity Lublication Option



Automatic Workpiece Measuring Equipment Option



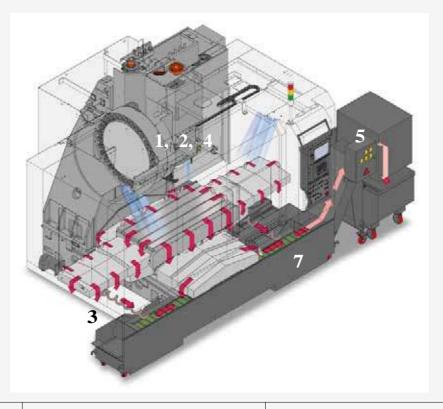
Oil skimmer option



Chips Disposal Equipments

Easy and effective chips disposal

The Mynx series machines are designed to collect the coolant spilled from the table into a front-mounted chip pan for effective chip disposal via chip conveyor. The chip conveyor can exit left or right hand side.



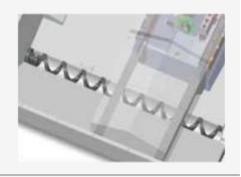
1. Through-Spindle Coolant System option $Middle\ pressure: 1.96\ Mpa(284.2\ psi)\ [20\ bar]$ High pressure : 6.86 Mpa (994.7 psi) [70 bar]



2. Shower coolant option



3. Internal Screw Conveyor



4. Coolant System



5. Chip conveyor option



Scraper type



Drum filter type



6. Coolant Gun option



7. Large capacity coolant tank built-in with chip pan and box filter

 ${\rm Mynx} \,\, 5400 \,: \textcolor{red}{\bf 3802} (100.4 \,\, {\rm galon})$

 ${\rm Mynx} \ 6500 \ : \ \textbf{380} \& (\textbf{100.4} \ \ {\rm galon})$

 $\mathrm{Mynx}\,7500: {\color{red}430}{\color{red}4(113.6\,\mathrm{galon})}$

Diverse Options

A wide range of options are offered for higher work efficiency and convenience of the customers.

Pneumatic

Basic information

Basic Structure Cutting Performance

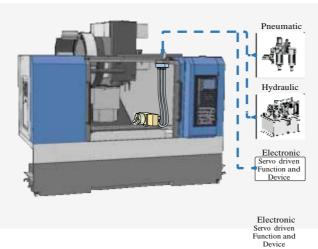
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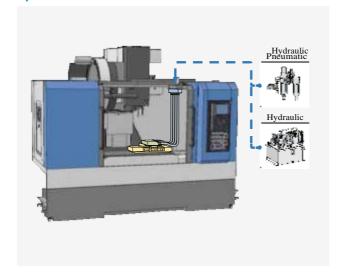
Interface for Additional Equipment (4 Axes)





** Please check the driving system (hydraulic or pneumatic) of the rotary table before ordering the machine.

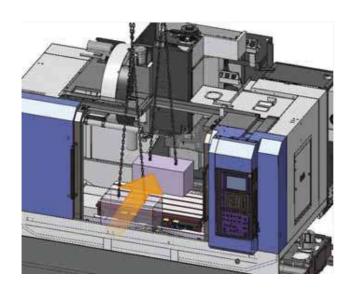
Hydraulic fixture line



Fixture check list (for hydraulic / pneumatic fixtures)

• Pressure source Hydraulic Number of ports \square P/T \square A/B ☐ 1pair (2-PT 3/8"port) Pneumatic \square P/T \square A/B ☐ 2pair (4-PT 3/8"port) ☐ 3pair (6-PT 3/8"port) Hydraulic power unit Supply scope : \square User \square DOOSAN (Please check the below detail specification,if you want Doosan to supply.) Use Doosan standard unit 24**l**/min (6.3 galon/min), 4.9 MPa (711 psi) ☐ Special requirement _**l**/min(galon/min), MPa(p * Contact Doosan for more information

Loading the Workpiece



Excellent Accessibility

Improvied accessibility to machine allows easier mounting of workpieces.

В

	A	В	С
Mynx 5400	830 mm (32.7 inch)	290 mm(11.4 inch)	950 mm(37.4 inch)
Mynx 6500	895 mm(35.2 inch)	224 mm(8.8 inch)	950mm(37.4 inch)
Mynx 7500	1077 mm(42.4 inch)	321 mm(12.6 inch)	1050 mm(41.3 inch)



User convenience has been significantly enhanced with a new operation panel.

Simple and Convenient Operation Panel

The operation panel is redesigned and integrated for better usability. Additionally, customized function switches can be attached to maximize operation convenience.

1. 10.4" color TFT LCD monitor

Various alarm messages indicating errors from the machine and controller will be displayed on a large 10.4° LCD screen, enhancing the operation convenience.

MPG handle



PCMCIA Card & USB Port

PCMCIA Card

The PCMCIA card enables uploading and downloading of the NC program, NC parameters, tool information, and ladder programs, and also supports DNC operation.

USB Port

The USB memory stick enables uploading and downloading of the NC program, NC parameters, tool information and ladder programs. (DNC operation is not supported.)

Convenience Functions (Hot Keys)



Swiveling operation panel

The operation panel is capable of swiveling by 90 degrees to enhance convenience.



Easy Operation Package (E.O.P)

These Doosan software

packages have been

customized to provide fast and easy setup of

tooling, workpiece, and

minimize the idle time

setup and maximize the

machine's productivity.

caused by process

program. These functions

Basic information

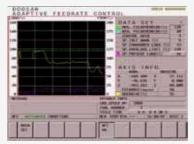
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Adaptive Feed Control (AFC)



Function to control feedrate so that the cutting can be carried out at a constant load (To adapt to the spindle load set up with constant load feedrate control function)

Tool Management



Function to manage tool information [Tool information]

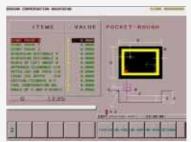
- Tool No. / Tool name
- -Tool condition: normal, large diameter, worn/damaged, used for the first time, manual

Tool Load Monitor



Function to automatically monitor tool load (Different loads can be set for one tool according to M700 \sim M704)

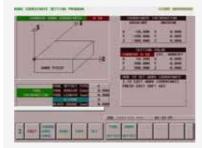
Pattern Cycle & Engraving



Function to create frequently-used cutting programs automatically

- Pattern Cycle: creates a program for a predefined shape
- -Engraving: creates a program for cutting a shape described with characters option

Work Offset Setting



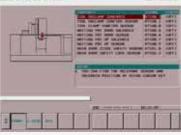
Function to configure various work offset settings

Alarm Guidance



Function to show detailed info on frequently triggered alarms and recommended actions

Sensor Status Monitor



Function to view sensor conditions of the machine

ATC Recovery

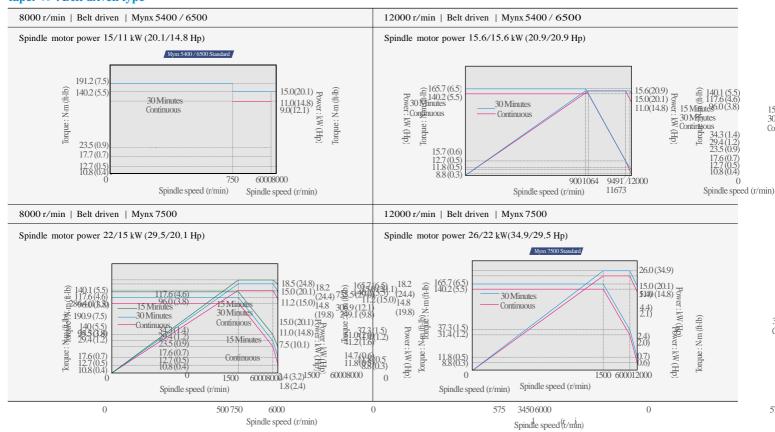


Function to view detailed info with recommended actions and to perform step-by-step operation manually

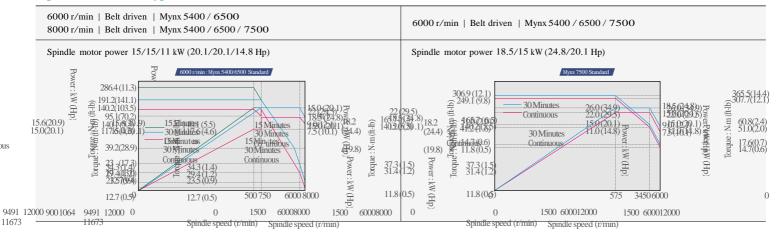
(when an alarm is triggered during an ATC operation)

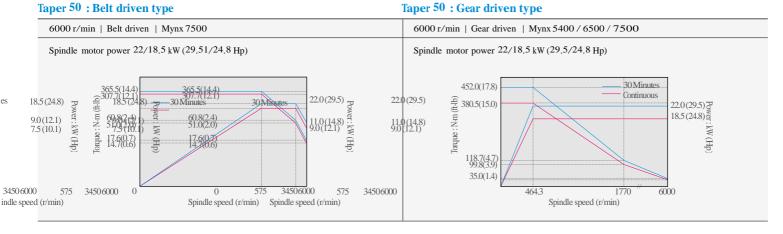
Spindle Power - Torque Diagram

Taper 40: Belt driven type



Taper 50: Belt driven type





30 M Conti

External Dimensions

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Mynx 5400 / 6500

Unit: mm (inch)

3015

(118.7)

Top View COOLANT TANK MAINTENANCE SPACE A Front View (REQUIRED MINIMUN SPACE AT STANDARD MACHINE) Η 3015 (118.7) (#50) 2825 (111.2) (#40) CHIP BUCKET (OPT) Е 1317 (51.9) Н \mathbf{C} #40 / 30 | #405/40 | #50 / 24 | #50 / 30 Model Unit A В D E F G #40 #50 $T_{\text{ools}}^{(234)}$ Tools Tools 3443 2600 2651 2882 2800 Mynx 5400 2467 (97.1) (104.4)(113.5)(110.2)(135.6)(102.4)

3350

(131.9)

#50 / 30

Tools

: 2890

(113.8)

3664

(144.3)

#40:

2692

(106.0)

972

(38.3)

4322

(170.2)

2715

(106.9)

2766

(108.9)

(116.9)

2991

(117.8)

2825

(111.2)

Mynx series

2) (#40) 4RD MACHINE)

(inch)

Mynx 6500

594

23.4)

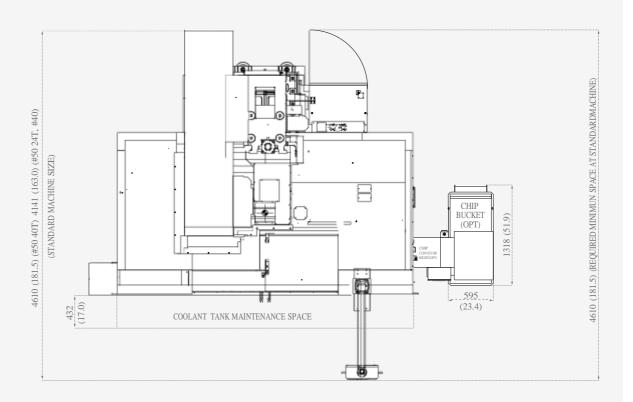
1317

(51.9)

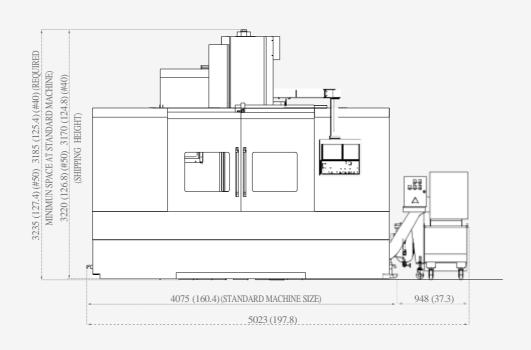
External Dimensions

Mynx 7500
Unit: mm (inch)

Top View



Front View



Tool shank / Table dimension

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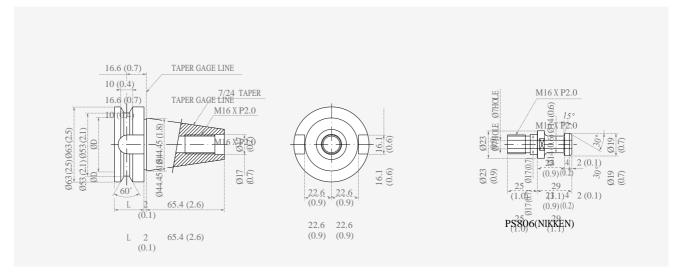
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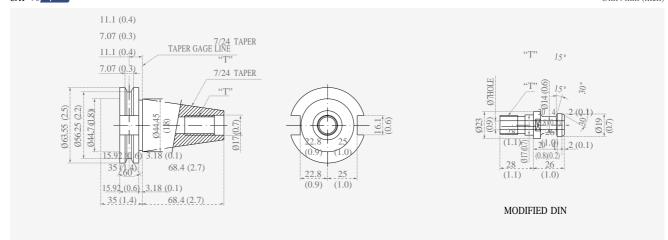
Customer Support Service

#40 Tool

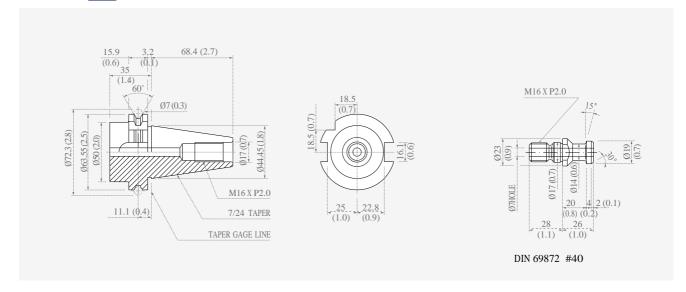
MAS403 BT40 Unit: mm (inch)



CAT 40 option Unit: mm (inch)

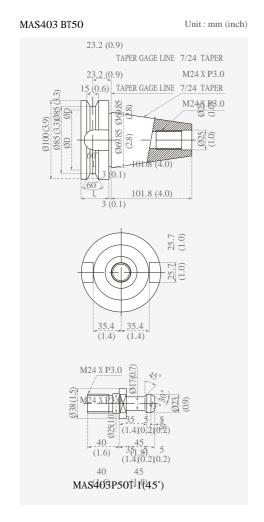


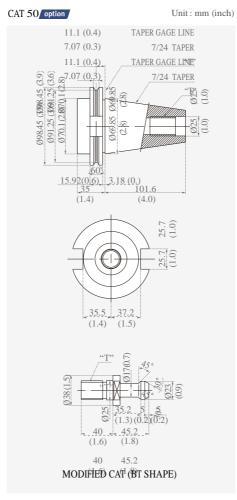
DIN 69871-A40 option Unit: mm (inch)



Tool shank

#50 Tool





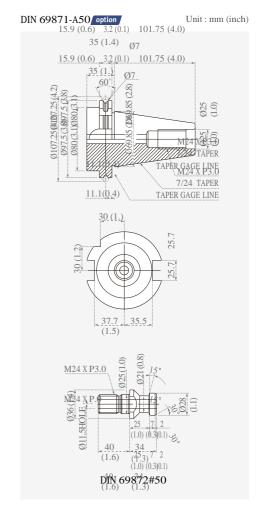


Table dimension

Unit: mm (inch)

Mynx 5400			Mynx	Mynx 6500			Mynx 7500			
							Ø42I	H7 Ø42H7		
A	A									
	1200 (47.2) 1200 (4	17.2)	I	D D			G G G			
				1400 (55.1) 00 (55.1)			1600 (63.0)			
	18Hs <u>(0</u> .7 Hs) 18Hs (0	0.7 1181 1s (0.7 Hs)	18Hs (0.7 Hs) 18Hs <u>(0</u> .7 18H s (0.7 Hs)		18Hs (C	0.7 Hs) 18Hs (0.7 Hs)Hs (0	0.7 Hs)			
								(0.7) (1.2)		
	T-slot section T-slot sectleriot section		T-slot sec	T-slot section T-slot section		T-slot s	ection T-slot s	ection		
A	В	С	D	Е	F	G	Н	I	K	
600 (23.6)	82.5 (3.2)	125 (4.9)	700 (27.6)	85 (3.3)	125 (4.9)	800 (31.5)	375 (14.8)	62.5 (2.5)	125 (4.9)	

Machine Specifications

Basic information

Basic Structure Cutting Performance

Detailed Information

Standard/Optional Specifications Applications Capacity Diagram Machine / NC Unit Specifications

Customer Support Service



Item			Unit	Mynx 5400	Mynx 5400/50	Mynx 6500	Mynx 6500/50	Mynx 7500	Mynx 7500/50
Travels	Travel (X / Y /	'Z-axis)	mm (inch)		(40/530 (1.3/20.9)		70/625 5.4/24.6)		(62/625 ().0/24.6)
	Distance from table top	n nose to	mm (inch)	150-680 (5.9-26.8)	200-730 (7.9-28.7)	150-775 (5.9-30.5)	200-825 (7.9-32.5)	150-775 (5.9-30.5)	200-825 (7.9-32.5)
	Distance from column	n center to	mm (inch)	567 ((22.3)	722 (28.4)	785	(30.9)
Feedrate	Rapid traverse	e (X/Y/Z)	m/min (ipm)		30 /	30 / 24 (1181	.1/1181.1/94	14.9)	
	Cutting feedra	ate	mm/min (ipm)			12000	(472.4)		
Table	Table size		mm(inch)	1200 x 540	(47.2x21.3)	1400 x 670	(55.1x26.4)	1600 x 750	(63.0x29.5)
	Table loading	capacity	kg (lb)	800 (1	763.7)	1000 (2	2204.6)	1500 (3306.9)
	Table surface	÷	mm (inch)		x 18H ₈ x 0.7H ₈)	5-125 (5-4.9)	x 18H ₈ (0.7H ₈)		х 18H ₈ х 0.7H ₈)
Spindle	Max. spindle	Belt	r/min	8000 {12000}	6000 (6000, 8000)	8000 {12000}	6000 {6000, 8000}	12000	6000 {8000}
	speed	Gear	r/min	-	{6000}	-	{6000}	-	{6000}
	Spindle Tape	r		ISO #40,	ISO #50,	ISO #40, 7/24 Taper	ISO #50,	ISO #40,	ISO #50,
		Belt 6000	N⋅m (ft-lb)	7/24 Taper	7/24 Taper 286.4(211.4) {306.9(226.5)}		7/24 Taper 286.4(211.4) {306.9(226.5)}	7/24 Taper	7/24 Taper 306.7(226.5) {365.5(269.7)}
		Belt 8000	N·m (ft-lb)	191.1 (141.0)	{286.4 (211.4)}	191.1 (141.0)	{286.4}	-	{286.2 (211.2)}
	Max. Torque	Belt 12000	N·m (ft-lb)	{165.7 (122.3)}	-	{165.7 (122.3)}	-	{165.7 (122.3)}	-
		Gear 6000	N·m	-	{452.52	-	{452.52	-	{452.52
ATC	Type of tool s	hank ¥	(ft-lb)	BT,DIN 40	(334.0)} BT,DIN 50	BT,DIN 40	(334.0)} BT,DIN 50	BT,DIN 40	(334.0)} BT,DIN 50
iic	Tool storage		ea	30 (40)	24	30 (40)	24 (30)	30 (40)	24 (40)
	Max. tool diameter Without Adjacent Tools		mm	80 {76} /125 (3.1 {(3.0)} /4.9)	125 / 220 (4.9/8.7)	80 {76} / 125 80 {76} / 125	125 / 220 (4.9/8.7)	80{76} / 125 80 {76} / 125	125/230
	Max. tool length		mm(inch)	300(11.8)	350(13.8)	300(11.8)	350(13.8)	300(11.8)	350(13.8)
	Max. tool weight		kg (lb)	8 (17.6)	15 (33.1)	8 (17.6)	15 (33.1)	8 (17.6)	15 (33.1)
	Tool selection					Memory	Random		
	Tool change time (T-T-T)		S	1.3	2.5	1.3	2.5	1.3	2.5
M .	Tool change t	time (C-T-C)	S	3.7	5.5	3.7	5.5	3.7	6.0
Motors		Belt 6000	kW (Hp)	-	15 / 15 / 11 {18.5 / 15}	-	15 / 15 / 11 {18.5 / 15}	-	18.5 / 15 {22 / 18.5}
	Spindle	Belt 8000	kW (Hp)	15 (20.1)/ 11 (14.8)	{15 (20.1) / 15 (20.1) / 11 (14.8)}	15 (20.1)/ 11 (14.8)	{15 (20.1) / 15 (20.1) / 11 (14.8)}	-	{15 (20.1) / 15 (20.1)/ 11 (14.8)}
	motor power	Belt 12000	kW (Hp)	{15.6 (20.9) / 15.6 (20.9)}	-	{15.6 (20.9) / 15.6 (20.9)}	-	{26 (34.9)/ 22 (29.5) }	-
		Gear 6000	kW (Hp)	-	{22 (29.5)/ 18.5 (24.8)}	-	{22 (29.5)/ 18.5 (24.8)}	-	{22 (29.5)/ 18.5 (24.8)}
	Feed motor (2	X / Y / Z)	kW (Hp)	3.0 (4.0)/3.0	(4.0)/4.0 (5.4)	4	.0 (5.4) / 4.0	(5.4) / 7.0 (9.4	1)
Power source	Electric	Belt 8000 (12000)	kVA	36.1 (40)	-	39.4 {45.1}	-	48 (42.9, 56.9)	-
	power supply (Rated	Den oooo	kVA	-	36.1 (40)	-	44.6 {39.4}	-	47.3 {51.8}
	capacity)	Gear 6000	kVA	-	{47.7}	-	{48.4}	-	{51.8}
T1-	Coolout touls	Belt 8000	kVA	-	{36.1}	290 (1	{39.4}	-	{42.9}
Tank capacity	Coolant tank Lubrication ta		ℓ (galon) ℓ (galon)			4.3 ((1.1)		
Machine size	Machine	Without Chip conveyor	mm	2467 x 3350 (97.1 x 131.9)	2467 x 3350 (97.1 x 131.9)	2692 x 3350 (106 x 131.9)	2692 x 3350 (106 x 131.9) {30 Tools : 2890(113.8) x 3350(131.9)}	4141 x 4075 (163 x 160.4)	4141 x 4075 (163 x 160.4) {40 Tools : 4610(181.5) > 4075(160.4)}
		With Chip conveyor	(inch)	2467 x 4322 (97.1 x 170.2)	2467 x 4322 (97.1 x 170.2)	2692 x 4322 (106 x 170.2)	2692 x 4322 (106 x 170.2) {30 Tools : 2890(113.8) x 4322(170.2)}	4141 x 5023 (163 x 197.8)	4141 x 5023 (163 x 197.8) {40 Tools : 4610(181.5) > 5023(197.8)}
	Machine heig	ght	mm (inch)	2800 (110.2)	3015 (118.7)	2825 (111.2)	3015 (118.7)	3185 (125.4)	3235 (127.4)
	Machine weight		kg (lb)	7000 (15432.4)	7200 (15873.3)	9000 (19841.6)	9200 (20282.5)	13500 (29762.4)	13500 (29762.4)
				(13432.4)	(15075.5)	(1701110)	(20202.0)	(27702.4)	(27702.1)

NC Unit Specifications

FANUC

			7	standard m	ptional X N/A
No.		Item	Spec.	DOOSAN FANUC i	FANUC 32i
1		Controlled axes	3 (X,Y,Z)	X, Y, Z	X, Y, Z
2	AXES	Least command increment	0.001 mm (0.00 inch) / 0.0001"	•	•
3	CONTROL	Least input increment	0.001 mm (0.00 inch) / 0.0001"	•	•
4		2nd reference point return	G30	•	•
5		3rd / 4th reference return		•	0
6		Inverse time feed		•	0
7		Cylinderical interpolation	G07.1	•	0
14	INTERPOLATION	Smooth backlash compensation		0	•
15	& FEED	Automatic corner override	G62	•	0
16	FUNCTION	Manual handle feed	Max. 3unit	1 unit	1 unit
17		Manual handle feed rate	x1, x10, x100 (per pulse)	•	•
18		Handle interruption	• • •	•	0
22		AI APC	20 BLOCK	•	X
23		AICC I	30 BLOCK	_	•
32	CDIMIDLE	M- code function		•	•
33	& M-CODE	Retraction for rigid tapping		•	•
34	FUNCTION	Rigid tapping	G84, G74	•	
35		Number of tool offsets	64 ea	_	64 ea
38		Number of tool offsets	400 ea	400 ea	0
40		Tool nose radius compensation	G40, G41, G42	•	•
41	TOOL	Tool length compensation	G43, G44, G49	•	•
42	FUNCTION	Tool life management	2 12, 2 1 1, 2 12	•	•
		Addition of tool pairs for tool life			
43		management		•	0
44		Tool offset	G45 - G48	•	0
45		Custom macro		•	•
46		Macro executor		•	•
47		Extended part program editing		•	•
48		Part program storage	256KB(640m)	-	640m
49		Part program storage	512KB(1,280m)	1280m	0
54	PROGRAMMING	Inch/metric conversion	G20 / G21	•	•
55	& EDITING	Number of Registered programs	400 ea	400 ea	-
56	FUNCTION	Number of Registered programs	500 ea	-	500 ea
59		Optional block skip	9 BLOCK	•	0
60		Optional stop	MO1	•	•
61		Program file name	32 characters	-	•
62		Program number	O4-digits	•	-
63		Playback function		•	0
64		Addition of workpiece coordinate system	G54.1 P1 - 48 (48 pairs)	48 pairs	48 pairs
66		Embeded Ethernet		•	•
67		Graphic display	Tool path drawing	•	•
68		Loadmeter display		•	•
69		Memory card interface		•	•
70		USB memory interface	Only Data Read & Write	•	•
71	OTHERG	Operation history display		•	•
72	OTHERS FUNCTIONS	DNC operation with memory card		•	•
73	(Operation,	Optional angle chamfering / corner R		•	•
74	setting	Run hour and part number display		•	•
75	& Display, etc)	High speed skip function		•	0
76		Polar coordinate command	G15 / G16	•	0
78		Programmable mirror image	G50.1 / G51.1	•	0
70			G50, G51		
79		Scaling	G50, G51	•	0
		Scaling Single direction positioning	G50, G51 G60	•	0

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Basic information

HEIDENHAIN

Basic Structure Cutting Performance

Detailed Information

Standard/Optional Specifications Applications Capacity Diagram Machine / NC Unit Specifications

Customer Support Service

No.		Item	Spec.	iTNC 530
1		Controlled axes	3 axes	X, Y, Z
2			4 axes	0
3		Controlled axes	Max. 18 axes in total	0
4		Least command increment	0.0001 mm (0.0001 inch), 0.0001°	•
5		Least input increment	0.0001 mm (0.0001 inch), 0.0001°	•
6		Maximum commandable value	±99999.999mm (±3937 inch)	•
7	Axes	Axis feedback control	Double-speed control loops for high-frequency spindles and torque/linear motors	0
8		MDI / DISPLAY unit	15.1 inch TFT color flat panel	•
9		MDI / DISI LAT UIII	19 inch TFT color flat panel	0
10		Program memory for NC programs	SSDR	21GB
11		Block processing time		0.5 ms
12		Cycle time for path interpolation	CC 61xx	3 ms
13		Encoders	Absolute encoders	EnDat 2.2
14	Commissioning	Data interfaces	Ethernet interface	•
15	and diagnostics	Data interfaces	USB interface (USB 2.0)	•
16	Machine	Look-ahead	Intelligent path control by calculating the path speed ahead of time (max. 1024 blocks.)	•
17	functions	HSC filters		•
18	_	Switching the traverse ranges		•
19			According to ISO	•
20		Program input	With smarT.NC	•
21			Nominal positions for lines and arcs in Cartesian coordinates	•
22			Incremental or absolute dimensions	•
23		Position entry	Display and entry in mm or inches	•
24		,	Display of the handwheel path during machining with handwheel superimpositioning	•
25			Paraxial positioning blocks	•
26			In the working plane and tool length	•
27		Tool compensation	Radius-compensated contour lookahead for up to 99 blocks (M120)	•
28			Three-dimensional tool radius compensation	•
29	User functions		Central storage of tool data	•
30		Tool table	Multiple tool tables with any number of tools	•
31		Cutting-data table	Calculation of spindle speed and feed rate based on stored tables	•
32		Constant contouring speed	relative to the path of the tool center or to the tool's cutting edge	•
33		Parallel operation	Creation of a program while another program is being run	•
34		Tilting the working plane with Cycle 19		0
35		Tilting the working plane with the PLANE function		0
	1	1		

Manual traverse in tool-axis

direction

Function TCPM

after interruption of program run

Retaining the position of tool tip when positioning tilting axes

36

37

NC Unit Specifications

			# tandard	ptional X N/
No.		Item	Spec.	iTNC 530
38		Rotary table machining	Programming of cylindrical contours as if in two axes	0
39		, c	Feed rate in distance per minute	0
40		FK free contour programming	forworkpieces not dimensioned for NC programming	•
41			Subprograms and program section repeats	•
42		Program jumps	Calling any program as a subprogram	•
43		Program verification graphics	Plan view, view in three planes, 3-D view	•
44		Programming graphics	3-D line graphics	•
45		Program-run graphics	(plan view, view in three planes, 3-D view)	•
46		Datum tables	Saving of workpiece-specific datums	•
47		Preset table	Saving of reference points	•
48		Freely definable table	after interruption of program run	•
49			With mid-program startup	•
50		Returning to the contour	After program interruption(with the GOTO key)	•
51		Autostart	1 0 1 1	•
52		Actual position capture		•
53		Enhanced file management		•
54		Context-sensitive help for error messages		•
55	User	TNCguide	Browser-based, context-sensitive helpsystem	•
56	functions	Calculator	District suiser, content sonstitute neipsystem	•
57		Entry of text and special characters		
58		Comment blocks in NC program		•
59		"Save As" function		
60		Structure blocks in NC program		•
61		Entry of feed rates	FU (feed per revolution)	•
62			FZ (tooth feed per revolution)	•
63			FT (time in seconds for path)	-
03		,	FMAXT	•
64			(only for rapid traverse pot: time in seconds for path)	•
65		Dynamic collision monitoring (DCM)		0
66		Fixture monitoring		0
67		Processing DXF data		0
68		Global program settings (GS)		0
69		Adaptive feed control (AFC)		0
70		KinematicsOpt	Automatic measurement and optimization of machine kinematics	0
71		KinematicsComp	Three-dimensional compensation	0
72		3D-ToolComp	Dynamic 3-D tool radius compensation	0
73		Working plane	Cycle 19	0
74	Fixed	Cylinder surface	Cycle 27	0
75	cycles	Cylinder surface slot milling	Cycle 28	0
76		Cylinder surface ridge milling	Cycle 29	0
77		Calibrate TS		•
78		Calibrate TS length		•
79	Cycles for automatic	Measure axis shift		•
80	workpiece	Save kinematics		0
81	inspection	Measure kinematics		0
82		Preset compensation		0
83		Software option 1		0
84	Options	Software option 2		0

Basic information

Basic Structure Cutting Performance

Detailed Information

Standard/Optional Specifications Applications Capacity Diagram Machine / NC Unit Specifications

Customer Support Service

SIEMENS

			≇ tandard ∰ I	otional X N/A
No.		Item	Spec.	S828D
1			3 axes	X, Y, Z
2		Controlled axes	4 axes	0
3			5 axes	0
4		Simultaneously controlled axes	Positioning(G00)/Linear interpolation(G01): 3 axes Circular interpolation(G02, G03): 2 axes	•
5	Axes Control	Simulateously Colitolled axes	Positioning(G00)/Linear interpolation(G01): 4 axesCircular interpolation(G02, G03): 2 axes	0
6		Least command increment	0.001mm (0.0001 inch)	•
7		Least input increment	0.001mm (0.0001 inch)	•
8		Maximum commandable value	±99999.999mm (±3937 inch)	•
9	Interpolation	Reference point return		•
10	& Feed functions	Inverse time feedrate	G93	•
11	tunctions	Spline interpolation (A, B and C splines)		0
12	Spindle	Retraction for rigid tapping		•
13	Functions	Rigid tapping		•
14		Tool radius compensations in plane		
15		With approach and retract strategies		•
16		With transition circle/ellipse on outer edges		•
17	Tool Functions	Number of tools/cutting edges in tool list	256/512	•
18	Toorranctions	Tool length compensation		•
19		Tool offset selection via T and D numbers		•
20		Replacement tools for tool management		0
21		Monitoring of tool life and workpiece count		•
22		Main program call from main program and subroutine		•
23		Subroutine levels and interrupt routines, max.		11/4
24		Number of subroutine passes <= 9999		•
25		Number of levels for skip blocks 1		•
26		Number of levels for skip blocks 8		0
27		Polar coordinates		•
28		Auxiliary function output		
29		Via M word, max. programmable value range: INT 231-1		•
30	Programming & Editing functions	• Via H word, max. range: REAL ± 3.4028 ex 38/ INT -231 231-1		•
31		High-level CNC language with		
32		User variables, configurable		•
33		Read/write system variables		•
34		Indirect programming		•
35		Program jumps and branches		•
36		Arithmetic and trigonometric functions		•
37	_	Compare operations and logic combinations		•
38		Macro techniques		•
39		Control structures IF-ELSE-ENDIF		•
40		Control structures WHILE, FOR, REPEAT, LOOP		•
41		STRING functions		•

1-	No.		Item	Spec.	S828D
1-00k ahead number of blocks 150	42		Program functions		
1-00k abead number of blocks 150	43		Dynamic preprocessing memory FIFO		
Finance concept - Inclined surface machining with service	44				
Inclined-sturface machining with swivel cycle	45				
Online ISO diabet interpreter			-		
Program/workplece management Posts programs on NCL max. number 0.00					
Parts programs on NCU, max. number			-		•
Solid					200
Signatura Sign					
Formating applications					100
On network drive					•
Programming Setable offsets, max number 100					•
Redding Statute of Steet, max. number 100		Programming			
Setable offsets, max number 100		0 0	*		
Programming support for cycles program(Program Guide) - CNC editor with editing functions: Marking, copying, deleting - Programming graphics/free contour input (contour calculator) - Programming graphics/free contour input (contour calculator) - Programming graphics/free contour input (contour calculator) - Programming graphics/free contour and islands stock removal cycle - Programming support can be extended, e.g. customer cycles - Programming support for Contour handured is	55	•			100
CNC editor with editing functions: Marking, copying, deleting	56		Program editor		
Programming graphics/free contour input (contour calculator)	57		Programming support for cycles program(Program Guide)		•
Technology cycles for drilling/milling	58		CNC editor with editing functions: Marking, copying, deleting		•
Pocket milling free contour and islands stock removal cycle	59		Programming graphics/free contour input (contour calculator)		•
Residual material detection	60		Technology cycles for drilling/milling		•
Access protection for cycles Programming support can be extended, e.g. customer cycles	61		Pocket milling free contour and islands stock removal cycle		•
Programming support can be extended, e.g. customer cycles	62		Residual material detection		•
2D simulation 3D simulation 3D simulation 3D simulation, finished part 5S simultaneous recording 68 69 70 70 71 72 73 74 75 76 77 77 78 79 79 79 79 79	63		Access protection for cycles		•
2D simulation 3D simulation 3D simulation 3D simulation, finished part 5S simultaneous recording 68 69 70 70 71 72 73 74 75 76 77 77 78 79 79 79 79 79	64		Programming support can be extended, e.g. customer cycles		•
3D simulation, finished part	65				
Simultaneous recording	66		3D simulation, finished part		
10G			•		
Switchover: inch/metric Switchover: inch					
Switchover: inch/metric					
Automatic					
					•
Secution from network drive **O					
DRF offset			1 1		
***Preset ***					0
Preset					0
Set actual value **Set actual value** **Incomplete to the state of the state			Block search with/without calculation		•
78 79 80 81 82 Other Functions (Operating software languages 82 Other Functions (Operating software languages 84 85 86 87 88 88 89 90 90 90 91 91 92 93 94 95 10.4" color display 15.0" color display 15.0" color display 91 15.0" color display 92 93 94 95 10.4" color display 91 15.0" color display 94 15.0" color display 95 • Ch_S,Ch_T, En, Fr, Gr, It, Kr, Pt, Sp • Additional languages, use of language extensions • Ch_S,Ch_T, En, Fr, Gr, It, Kr, Pt, Sp • Additional languages, use of language extensions • Ch_S,Ch_T, En, Fr, Gr, It, Kr, Pt, Sp • Additional languages, use of language extensions • Red display • Ch_S,Ch_T, En, Fr, Gr, It, Kr, Pt, Sp • Additional languages, use of language extensions • Working area limitation • Elmit switches • Remote Control System (RCS) remote diagnostics • RCS Host remote diagnostics • RCS Gommander (viewer function) • RCS Commander (viewer					
79 80 81 82 Other Functions (Operating, setting & Display, etc) Other Functions (Operating, setting & Display, etc) Other Functions (Operating, setting & Display, etc) - Ch_S,Ch_T, En, Fr, Gr, It, Kr, Pt, Sp - Additional languages, use of language extensions Working area limitation Limit switch monitoring Software and hardware limit switches Remote Control System (RCS) remote diagnostics - RCS Host remote diagnostics - RCS Commander (viewer function) Integrated service planner for the monitoring of service intervals Automatic measuring cycles Easy Extend TRANSMIT/cylinder surface transformation Contour handwheel Integrate screens in SINUMERIK Operate with SINUMERIK Integrate Run MyScreens Cross-mode actions	77		Set actual value		•
Plain text display of user variables Other Functions (Operation, setting & Display, etc) Other Functions (Operation, setting & Display, etc) Other Functions (Operation, setting & Display, etc) Other Functions (Operation, setting & Operating software languages) • Ch_S,Ch_T, En, Fr, Gr, lt, Kr, Pt, Sp • Additional languages, use of language extensions Working area limitation Itimit switch monitoring Software and hardware limit switches Remote Control System (RCS) remote diagnostics • RCS Host remote diagnostics function • RCS Commander (viewer function) Integrated service planner for the monitoring of service intervals Automatic measuring cycles Easy Extend TRANSMIT/cylinder surface transformation Contour handwheel Integrate screens in SINUMERIK Operate with SINUMERIK Integrate Run MyScreens Cross-mode actions	78		10.4" color display		•
Other Functions (Operating software languages • Ch_S,Ch_T, En, Fr, Gr, It, Kr, Pt, Sp • Additional languages, use of language extensions Working area limitation Limit switch monitoring Software and hardware limit switches Remote Control System (RCS) remote diagnostics • RCS Host remote diagnostics function • RCS Commander (viewer function) Integrated service planner for the monitoring of service intervals Automatic measuring cycles Easy Extend TRANSMIT/cylinder surface transformation Contour handwheel Integrate screens in SINUMERIK Operate with SINUMERIK Integrate Run MyScreens Cross-mode actions	79		15.0" color display		0
Other Functions (Operation, setting & Display, etc) Other Functions (Operation, setting & Display, etc) - Ch_S,Ch_T, En, Fr, Gr, It, Kr, Pt, Sp - Additional languages, use of language extensions Working area limitation Limit switch monitoring Software and hardware limit switches Remote Control System (RCS) remote diagnostics - RCS Host remote diagnostics function - RCS Commander (viewer function) Integrated service planner for the monitoring of service intervals Automatic measuring cycles Easy Extend TRANSMIT/cylinder surface transformation Contour handwheel Integrate screens in SINUMERIK Operate with SINUMERIK Integrate Run MyScreens Cross-mode actions	80		Plain text display of user variables		•
(Operation, setting & Display, etc) • Additional languages, use of language extensions Working area limitation Limit switch monitoring Software and hardware limit switches Remote Control System (RCS) remote diagnostics • RCS Host remote diagnostics function • RCS Commander (viewer function) Integrated service planner for the monitoring of service intervals Automatic measuring cycles Easy Extend TRANSMIT/cylinder surface transformation Contour handwheel Integrate screens in SINUMERIK Operate with SINUMERIK Integrate Run MyScreens Cross-mode actions	81		Operating software languages		
& Display, etc) Working area limitation Limit switch monitoring Software and hardware limit switches Remote Control System (RCS) remote diagnostics RCS Host remote diagnostics function RCS Commander (viewer function) Integrated service planner for the monitoring of service intervals Automatic measuring cycles Easy Extend TRANSMIT/cylinder surface transformation Contour handwheel Integrate screens in SINUMERIK Operate with SINUMERIK Integrate Run MyScreens Cross-mode actions	82		• Ch_S,Ch_T, En, Fr, Gr, It, Kr, Pt, Sp		•
Working area limitation Limit switch monitoring Software and hardware limit switches Remote Control System (RCS) remote diagnostics RCS Host remote diagnostics function RCS Commander (viewer function) Integrated service planner for the monitoring of service intervals Automatic measuring cycles Easy Extend TRANSMIT/cylinder surface transformation Contour handwheel Integrate screens in SINUMERIK Operate with SINUMERIK Integrate Run MyScreens Cross-mode actions	83		Additional languages, use of language extensions		•
Software and hardware limit switches Remote Control System (RCS) remote diagnostics • RCS Host remote diagnostics function • RCS Commander (viewer function) Integrated service planner for the monitoring of service intervals Automatic measuring cycles Easy Extend TRANSMIT/cylinder surface transformation Contour handwheel Integrate screens in SINUMERIK Operate with SINUMERIK Integrate Run MyScreens Cross-mode actions	84	а пършу, си	Working area limitation		•
Remote Control System (RCS) remote diagnostics • RCS Host remote diagnostics function • RCS Commander (viewer function) Integrated service planner for the monitoring of service intervals Automatic measuring cycles Easy Extend TRANSMIT/cylinder surface transformation Contour handwheel Integrate screens in SINUMERIK Operate with SINUMERIK Integrate Run MyScreens Cross-mode actions	85		Limit switch monitoring		•
RCS Host remote diagnostics function RCS Commander (viewer function) Integrated service planner for the monitoring of service intervals Automatic measuring cycles Easy Extend TRANSMIT/cylinder surface transformation Contour handwheel Integrate screens in SINUMERIK Operate with SINUMERIK Integrate Run MyScreens Cross-mode actions	86		Software and hardware limit switches		•
PRCS Commander (viewer function) Integrated service planner for the monitoring of service intervals Automatic measuring cycles Easy Extend TRANSMIT/cylinder surface transformation Contour handwheel Integrate screens in SINUMERIK Operate with SINUMERIK Integrate Run MyScreens Cross-mode actions	87		Remote Control System (RCS) remote diagnostics		
PRCS Commander (viewer function) Integrated service planner for the monitoring of service intervals Automatic measuring cycles Easy Extend TRANSMIT/cylinder surface transformation Contour handwheel Integrate screens in SINUMERIK Operate with SINUMERIK Integrate Run MyScreens Cross-mode actions PRCS Commander (viewer function) Integrated service planner for the monitoring of service intervals O Integrated service planner for the monitoring of service intervals O Contour handwheel O Contour handwheel O Cross-mode actions	88		RCS Host remote diagnostics function		0
Integrated service planner for the monitoring of service intervals	89		• RCS Commander (viewer function)		
91 Automatic measuring cycles Easy Extend TRANSMIT/cylinder surface transformation Contour handwheel Integrate screens in SINUMERIK Operate with SINUMERIK Integrate Run MyScreens Cross-mode actions	90				
92 Easy Extend 93 TRANSMIT/cylinder surface transformation 94 Contour handwheel 95 Integrate screens in SINUMERIK Operate with SINUMERIK Integrate Run MyScreens 96 Cross-mode actions	91				
93 TRANSMIT/cylinder surface transformation O 94 Contour handwheel O 95 Integrate screens in SINUMERIK Operate with SINUMERIK Integrate Run MyScreens O 96 Cross-mode actions					
Contour handwheel Integrate screens in SINUMERIK Operate with SINUMERIK Integrate Run MyScreens Cross-mode actions					
95 Integrate screens in SINUMERIK Operate with SINUMERIK Integrate Run MyScreens Cross-mode actions					
SINUMERIK Integrate Run MyScreens Cross-mode actions					0
96	95		SINUMERIK Integrate Run MyScreens		0
	96				0

Basic information

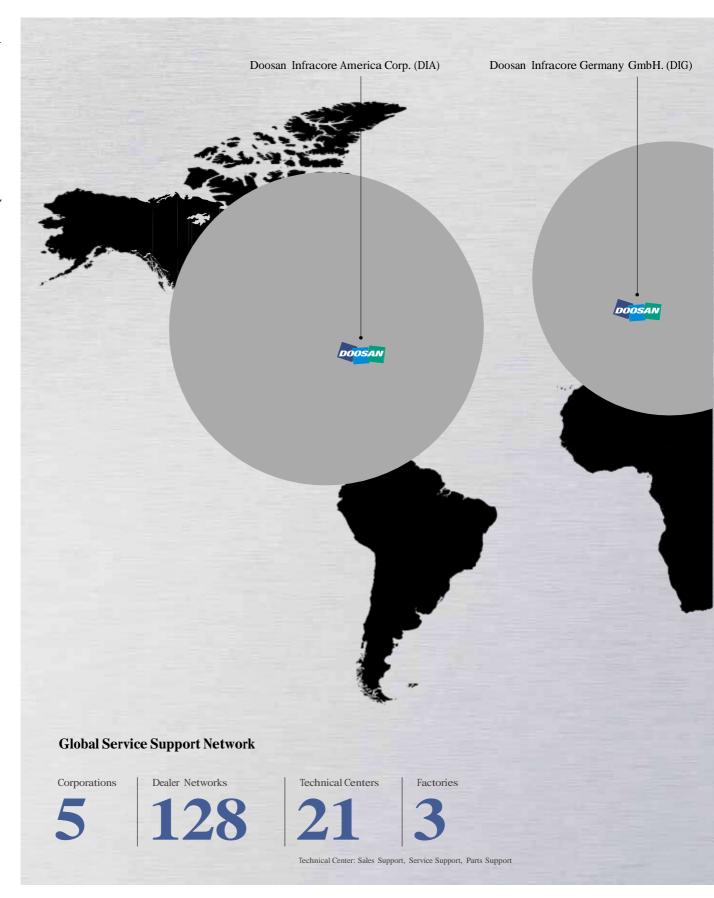
Basic Structure Cutting Performance

Detailed Information

Standard/Optional Specifications Applications Capacity Diagram Machine / NC Unit Specifications

Customer Support Service

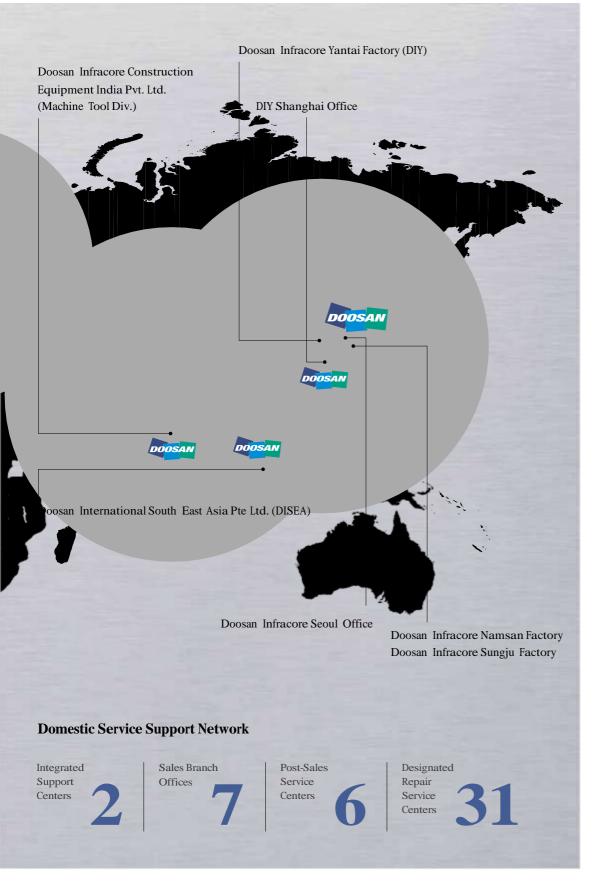
Responding to Customers Anytime, Anywhere



Doosan Machine Tools' Global Network, Responding to Customer's Needs nearby, Anytime, Anywhere

Doosan machine tools provides a system-based professional support service before and after the machine tool sale by responding quickly and efficiently to customers' demands.

By supplying spare parts, product training, field service and technical support, we can provide top class support to our customers around the world.



Customer Support Service

We help customers to achieve success by providing a variety of professional services from presales consultancy to post-sales support.

Supplying Parts



- -Supplying a wide range of original Doosan spare parts
- -Parts repair service

Field Services



- On site service
- Machine installation and testing
- Scheduled preventive maintenance
- Machine repair

Technical Support



- Supports machining methods and technology
- Responds to technical queries
- Provides technical consultancy

Training



- Programming / machine setup and operation
- Electrical and mechanical maintenance
- Applications engineering

Mynx series



Description		Unit	Mynx 5400	Mynx 5400/50	Mynx 6500	Mynx 6500/50	Mynx 7500	Mynx 7500/50
Max. spindle	Belt	r/min	8000	6000	8000	6000	12000	6000
speed	Gear							
	Belt 6000			11/15/15 (14.8/20.1 /20.1)		11/15/15 (14.8 /20.1 /20.1)		18.5/15 (24.8/ 20.1)
Spindle motor power	Belt 8000	kW (Hp)	15/11 (20.1/14.8)		15/11 (20.1/14.8)			
	Belt 12000						26/22 (34.9/29.5)	
	Gear 6000							
Tool shank		Taper	40	50	40	50	40	50
Tenuals (V. V. 7)		mm (inch)	1020/540/530 (40.2/21.3/20.9)		1270/670/625 (50.0/26.4 24.6)		1525/762/625 (60.0/30.0/24.6)	
Number of too	ols	ea	30	24	30	24	30	24
Table size		mm (inch)	1200 x (47.2 x			x 670 x26.4)		x 750 x29.5)
NC system					DOOSAN	N FANUC i		



Doosan Machine Tools

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[■]For more details, please contact Doosan.

The specifications and information above-mentioned may be changed without prior notice.